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November 7, 2005

Ms. Peggy Carr
Sonoma County Department of Health Services
475 Aviation Boulevard, Suite 220
Santa Rosa, California 95403-2097

Subject: **Third Quarter 2005 Groundwater Monitoring Report**
Rotten Robbie Service Station No. 60
55 E Todd Road, Santa Rosa, Sonoma County, California
Apex Project No. RMA01.001

Dear Ms. Carr:

Apex Envirotech, Inc. (Apex) has been authorized by Robinson Oil Corporation (Robinson) to provide this report documenting the results of groundwater monitoring. This report covers the third quarter groundwater monitoring event conducted on September 13, 2005. Groundwater monitoring results are provided in the attached figures and tables. Apex standard operating procedures, field data, and analytical results are provided as attachments.

This report is based in part, on information obtained by Apex from Robinson and is subject to modification as newly acquired information may warrant.

SITE DESCRIPTION

The subject property is located at 55 East Todd Road, Santa Rosa, Sonoma County, California. The site has historically been operated as Dave's Pit Stop, a retail automotive and truck fueling station and convenience store.

BACKGROUND

August 18, 2003 - RM Associates (RMA) supervised the installation of eight soil borings at the subject property as part of a Phase II Environmental Site Assessment conducted in association with the sale of the property from Mr. Dave Zedrick to Robinson. RMA collected soil samples from three of the borings and groundwater samples from all eight of the borings. RMA documented the results in, *Report of Phase II Environmental Site Assessment*, dated October 13, 2003.

September 9, 2003 - Sonoma County Department of Health Services (SCDHS) requests a workplan to investigate the site.

November 4 - 5, 2003 - Soil and pavement were excavated from above the former gasoline and diesel underground storage tanks (UST). The materials were temporarily stockpiled onsite, pending analysis and profiling. RMA sampled the stockpiled soil on November 6, 2003.

November 7, 2003 - Armer/Norman and Associates removed the five former USTs. No holes were noted in any of the USTs. Under the direction of the Sonoma County Department of Emergency Services and the SCDHS, RMA collected confirmation soil samples from the UST basin. Ecology Control Industries under Uniform Hazardous Waste Manifests hauled the USTs offsite.

November 10, 2003 - RMA collected five 4:1 composite soil samples from the stockpiled soil that had been removed from the new UST location.

December 3, 2003 - The former product lines and dispensers were removed. RMA collected confirmation samples and six 4:1 composite samples from the stockpiled soil.

January 16, 2004 - RMA documented the results of the UST removal and replacement, *Report of Underground Storage Tank Removal*.

February 23, 2004 - Apex submitted, *Workplan for Preliminary Site Assessment*, outlining the installation and sampling of 10 direct-push soil borings and four groundwater monitoring wells. The SCDHS approved the workplan in a letter dated March 9, 2004.

June 15 - 16, 2004 - Apex supervised the installation of nine direct-push soil borings (GP-1, GP-3 through GP-10) to delineate the lateral and vertical extent of soil and groundwater contamination beneath the site. GP-1, GP-3, GP-4 and GP-6 through GP-10 were drilled to a total depth of 12 feet bgs, and GP-5 was drilled to a total depth of 20 feet bgs.

July 7 - July 9, 2004 - Apex personnel supervised vacuum clearing, drilling, sampling and installation of four groundwater monitoring wells (MW-1 through MW-4).

November 9, 2004 - Apex submitted the report, *Preliminary Site Assessment Results Report and Fourth Quarter 2004 Groundwater Monitoring Report*, detailing activities and results for boring and monitoring well installation activities.

December 30, 2004 - SCDHS requested a workplan to complete characterization of the site. In addition, the SCDHS requested completion of a sensitive receptor survey.

March 2, 2005 - Apex submitted the report, *Sensitive Receptor Survey and Workplan for Additional Site Characterization*, proposing the installation of three additional soil borings, and five groundwater monitoring wells to further characterize the site.

April 28, 2005 - Apex submitted a "Clarification Letter" to address the concerns of the SCDHS.

May 16, 2005 - The SCDHS approved the workplan, dated March 2, 2005.

October 4-6, 2005 - Apex personnel supervised the installation of four additional onsite groundwater monitoring wells (MW-5 through MW-7), three direct push borings (GP-1B, GP-5B, and GP-11), and is currently preparing a results report documenting drilling activities.

GENERAL SITE INFORMATION

Site name: Rotten Robbie Service Station
Site address: 55 E Todd Road, Santa Rosa, California
Current property owner: Mr. Tom Robinson
Current site use: Active gasoline station
Tanks at site: 1,000 gallon, 2-20,000 gallon, and 2-12,000 gallon
Number of wells: 4 monitoring wells

GROUNDWATER MONITORING SUMMARY

Gauging and sampling date: September 13, 2005
Wells gauged and sampled: MW-1 through MW-4
Wells gauged only: None
Groundwater flow direction: West southwest
Groundwater gradient: 0.015 ft/ft
Floating liquid hydrocarbon: None
Laboratory: California Laboratory Services, Inc., Rancho Cordova, California

Analysis Performed:

Analysis	Abbreviation	Designation	USEPA Method No.
Total Petroleum Hydrocarbons as Gasoline	TPHg	Gas/Diesel Range Hydrocarbons	8015 Modified
Total Petroleum Hydrocarbons as Diesel	TPHd		
Benzene	BTEX	Aromatic Volatile Organics	8021B
Toluene			
Ethylbenzene			
Xylenes (Total)			
Tertiary Butyl Alcohol	TBA	Seven Fuel Oxygenates	8260B
Methyl Tertiary Butyl Ether	MTBE		
Di-isopropyl Ether	DIPE		
Ethyl Tertiary Butyl Ether	ETBE		
Tertiary Amyl Methyl Ether	TAME		
Methanol			8015M
Ethanol			
1,2-Dichloroethane	1,2 - DCA	Lead Scavengers	8260B
Ethylene dibromide	EDB		

Modifications from Standard Monitoring Program:

None

CONCLUSIONS

Based on groundwater analytical results, well MW-1 contains concentrations of ethylbenzene at historical highs. Well MW-4 was within historical limits. Concentrations of MTBE and TBA at well MW-3 have been decreasing. Well MW-2 concentrations were at a historical low this quarter, except TBA, which was within historical limits.

The hydrocarbon plume is currently not defined.

Groundwater elevation has decreased an average of 4.78 feet this quarter.

RECOMMENDATIONS

Apex recommends continued groundwater monitoring. The next sampling event is scheduled for December 2005, and will include the newly installed groundwater monitoring wells MW-5 through MW-7.

ADDITIONAL ACTIVITIES PERFORMED AT SITE

Apex is currently preparing encroachment permits for the installation of two additional groundwater monitoring wells offsite (MW-8 and MW-9). Apex is also preparing a results report documenting the installation of wells (MW-5 through MW-7) installed on October 4, 2005, and direct push borings (GP-1B, GP-5B, GP-11) advanced on October 6, 2005.

ATTACHMENTS:

Figure 1: Site Vicinity Map

Figure 2: Site Plan Map

Figure 3: Groundwater Contour Map: September 13, 2005

Figure 4: TPHg in Groundwater Isoconcentration Map: September 13, 2005

Figure 5: TPHd in Groundwater Isoconcentration Map: September 13, 2005

Figure 6: Benzene in Groundwater Isoconcentration Map: September 13, 2005

Figure 7: MTBE in Groundwater Isoconcentration Map: September 13, 2005

Table 1: Well Construction Details

Table 2: Groundwater Elevation Data

Table 3: Groundwater Analytical Data

Appendix A: Apex Standard Operating Procedures

Appendix B: Field Data Sheets

Appendix C: Laboratory Analytical Report and Chain-of-Custody Form

REPORT DISTRIBUTION:

Apex submitted copies of this report to:

Ms. Peggy Carr
Sonoma County Department of Health Services
475 Aviation Boulevard, Suite 220
Santa Rosa, California 95403-2097
(707) 565-6577

Mr. Luis Rivera
North Coast Regional Water Quality Control Board
5550 Skylane Boulevard, Suite A
Santa Rosa, California 95403

Mr. Tom Robinson
Robinson Oil Corporation
4250 Williams Road
San Jose, California 95129

Mr. Ron Michelson
RM Associates
16401 Meadow Vista Drive, Suite 102
Pioneer, California 95666

Mr. Dave Zedrick
P.O. Box 7010
Santa Rosa, California 95407

REMARKS/SIGNATURES

The information contained within this Report reflects our professional opinions and was developed in accordance with currently available information, and accepted hydrogeologic and engineering practices.

The proposed work described above will be performed under the direct supervision of the professional geologist, registered with the State of California, whose signature appears below


We appreciate the opportunity to provide Robinson Oil Corporation with geologic, engineering and environmental consulting services, and trust this Report meets your needs. If you have any questions or comments, please call us at (916) 851-0174.

Sincerely,

APEX ENVIROTECH, INC.



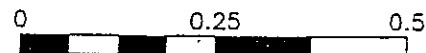
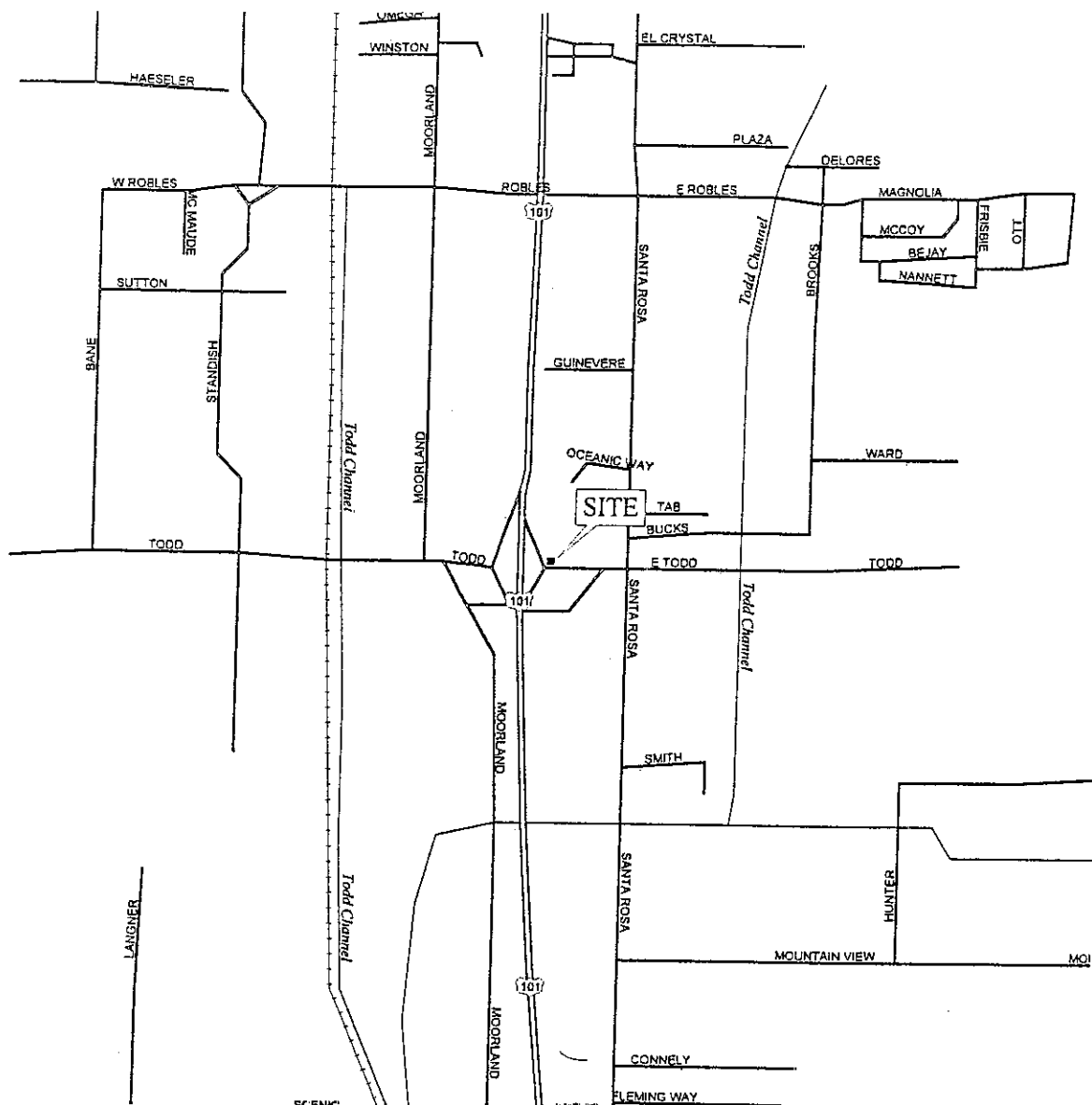
Rebekah A. Westrup
Project Manager



Michael S. Sgourakis, R.G.
Senior Project Manager
CRG No. 7194



FIGURES



Approximate Scale
1 inch = 0.25 miles



DRAWN BY: D. Alston
DATE: 2/10/04

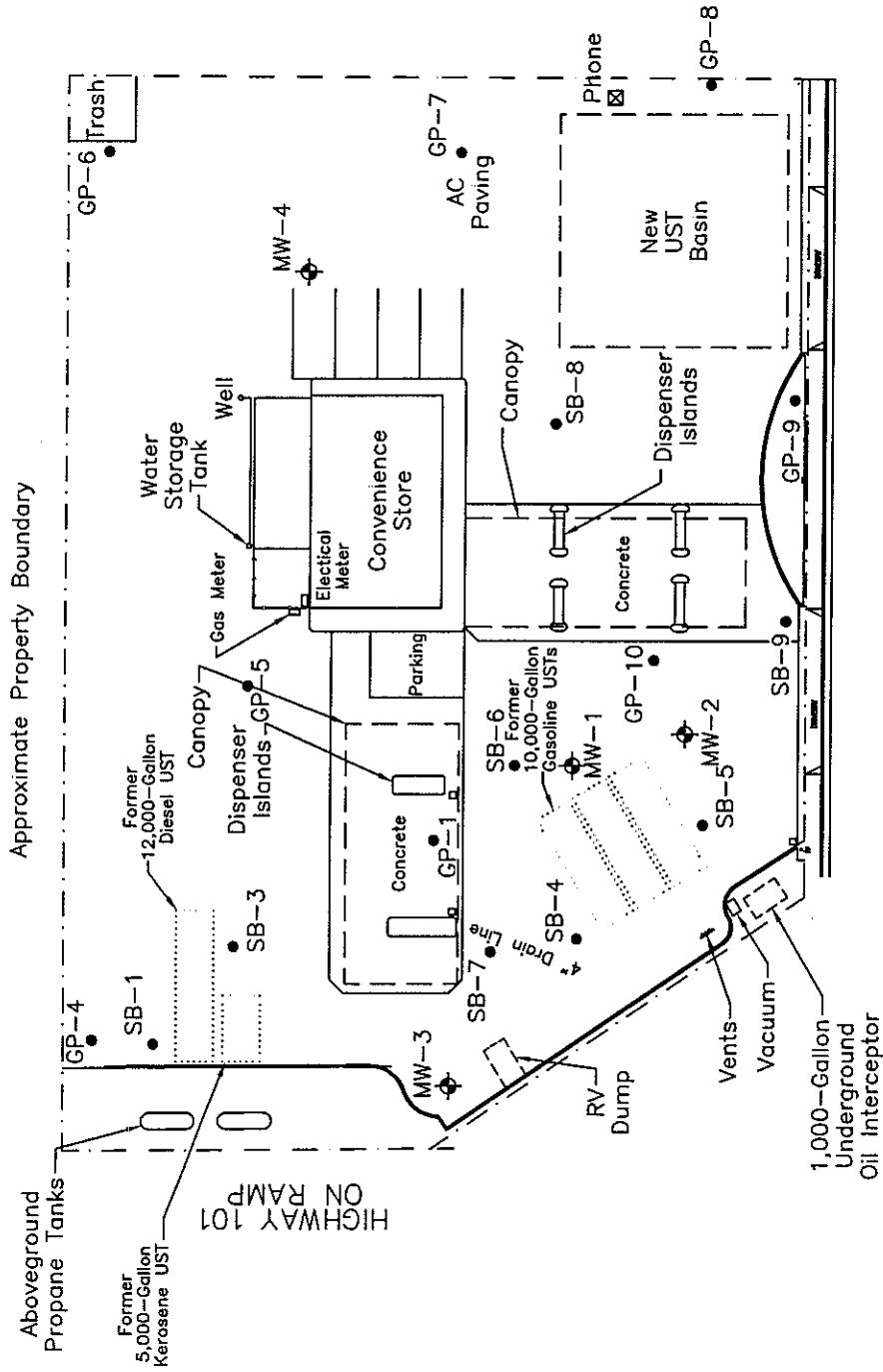
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SITE VICINITY MAP

Rotten Robbie Service Station No. 60
55 Todd Road
Santa Rosa, California

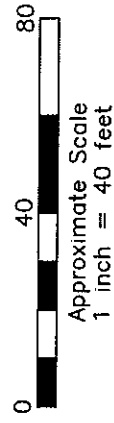
FIGURE
1

PROJECT NUMBER:
RMA01.001

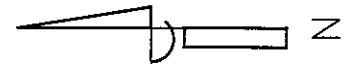


LEGEND

- Soil Boring Location
- Drain Inlet
- Geoprobe Location
- ⊕ Monitoring Well Location



TODD ROAD



FIGURE

2

SITE PLAN MAP

Rotten Robbie Service Station No. 60
55 Todd Road
Santa Rosa, California

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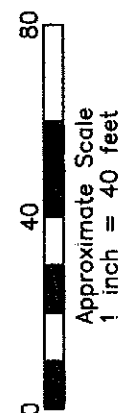
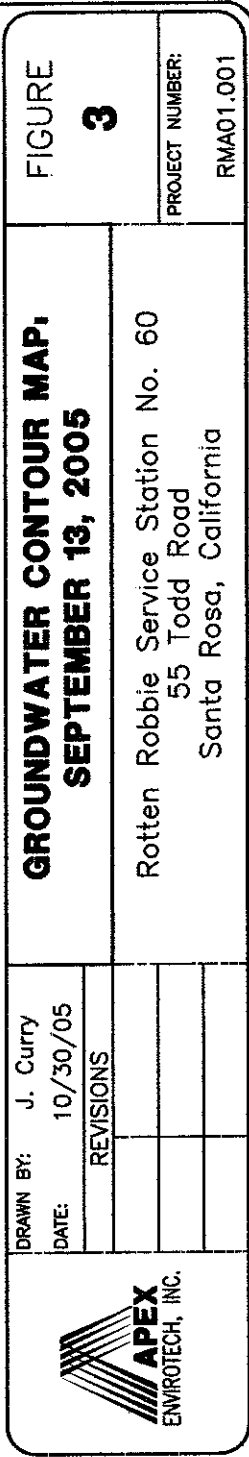
RMA01.001

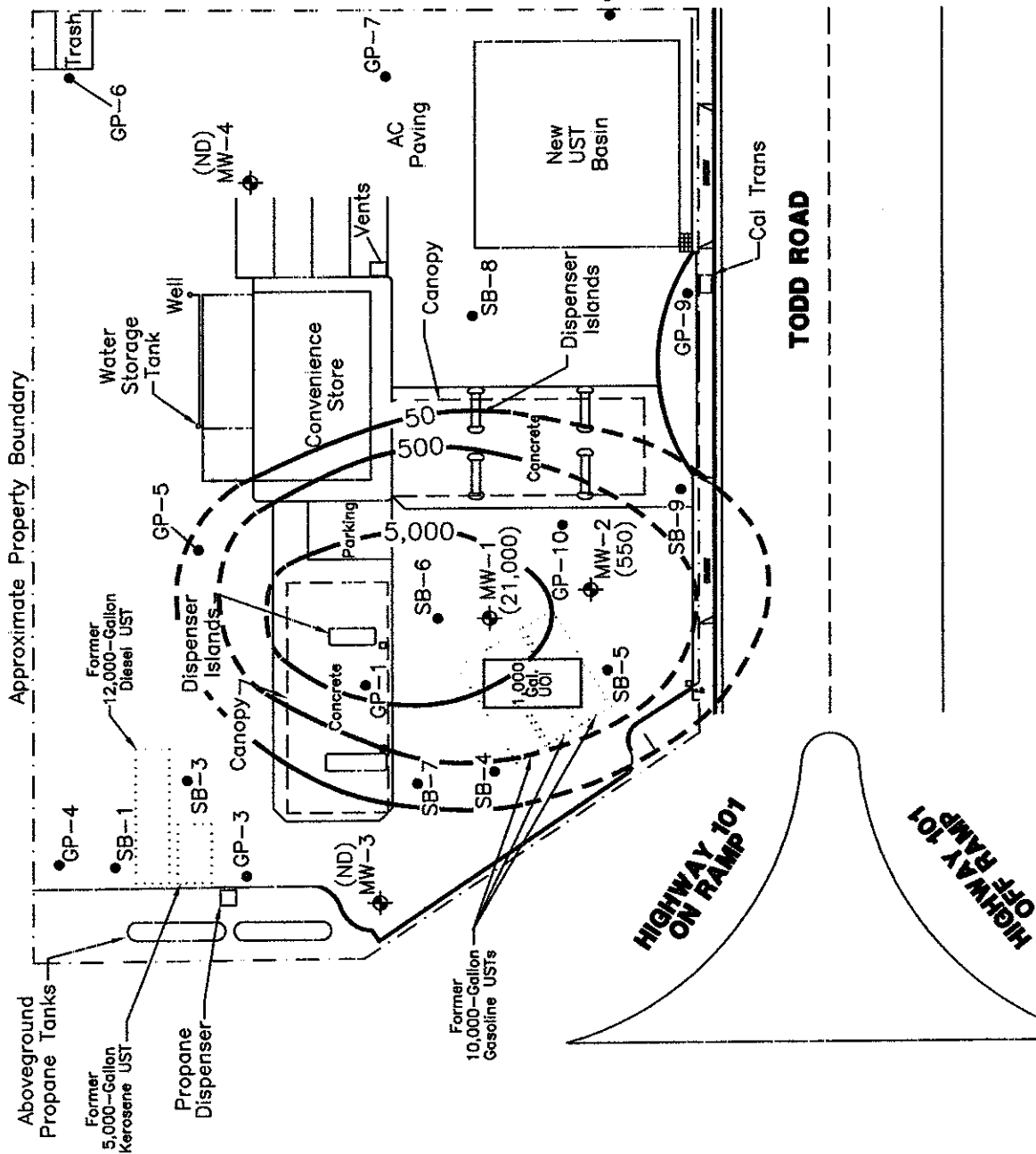
DRAWN BY: J. CURRY

DATE: 10-19-04

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APEX
ENVIROTECH, INC.

DRAWN BY: J. Curry
DATE: 10/30/05

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TPHg IN GROUNDWATER ISOCONCENTRATION
MAP, SEPTEMBER 13, 2005

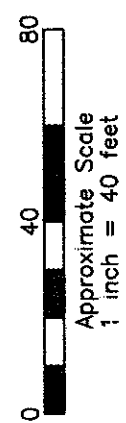
Rotten Robbie Service Station No. 60
55 Todd Road
Santa Rosa, California

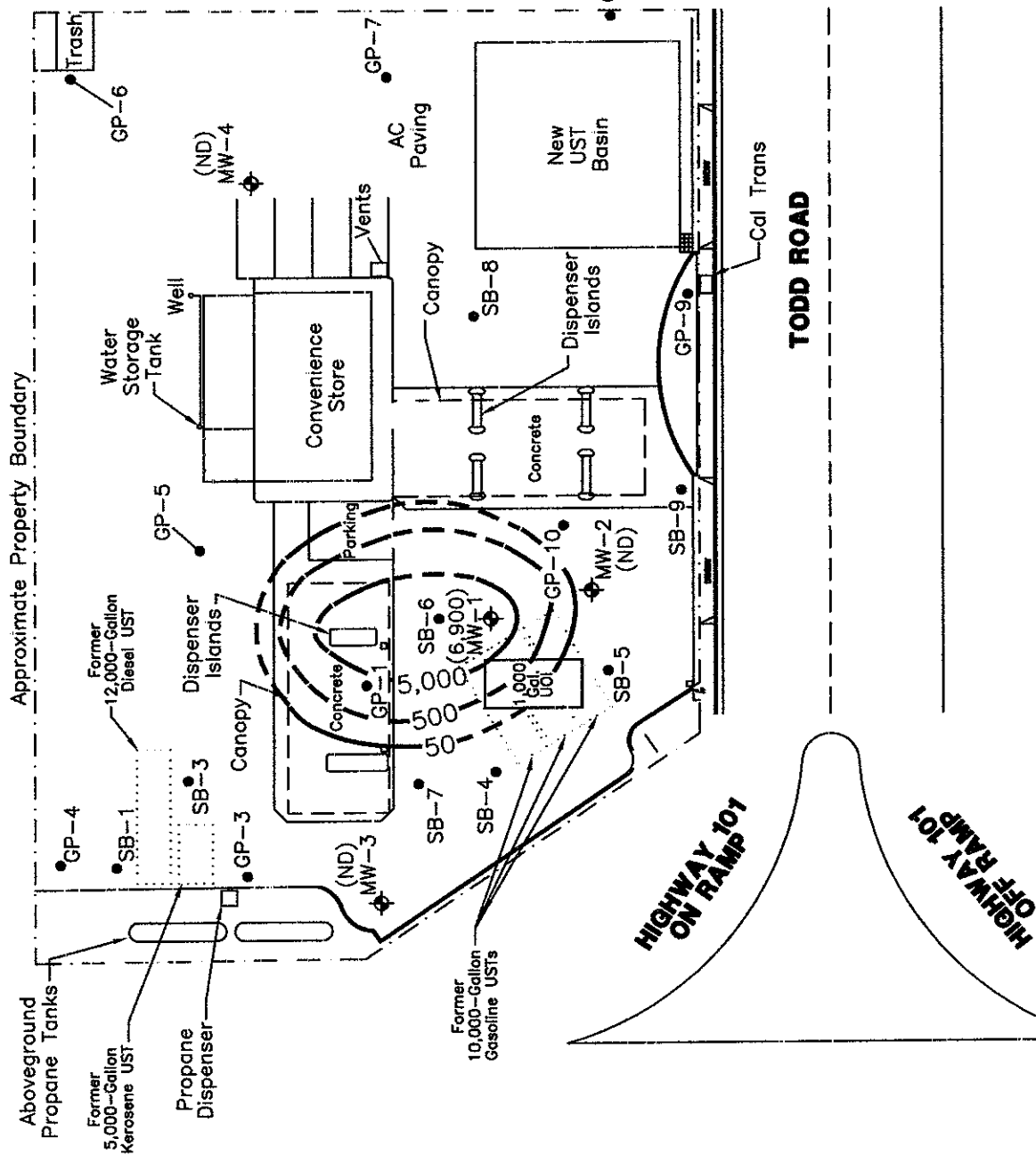
FIGURE

4

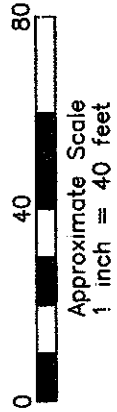
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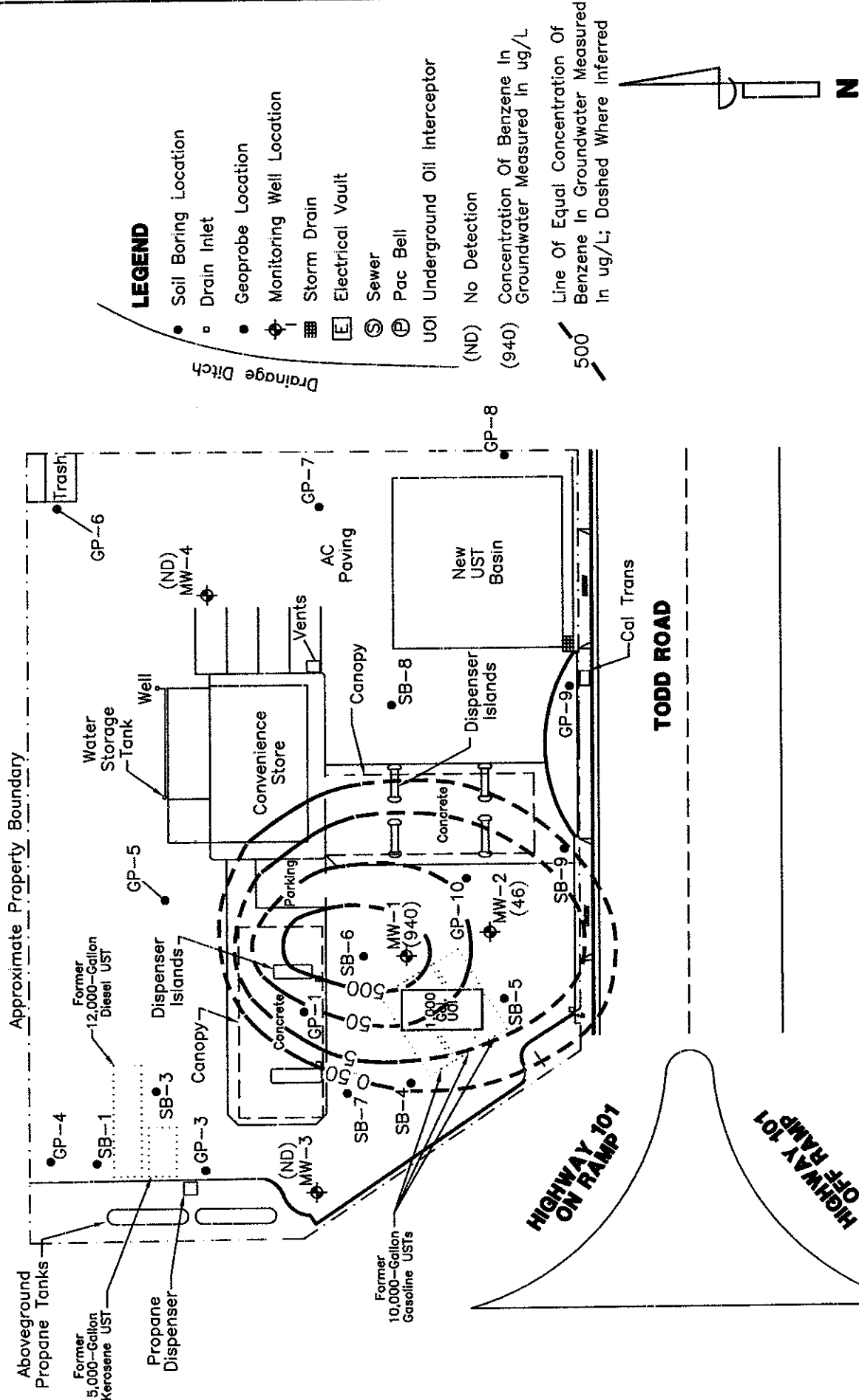
RMA01.001





TPHd IN GROUNDWATER ISOCONCENTRATION MAP, SEPTEMBER 13, 2005		FIGURE 5	
DRAWN BY: J. Curry DATE: 10/30/05		PROJECT NUMBER: RMA01.001	
REVISIONS		Rotten Robbie Service Station No. 60 55 Todd Road Santa Rosa, California	





LEGEND

- Soil Boring Location
- ◻ Drain Inlet
- Geoprobe Location
- ◻ Monitoring Well Location
- ◻ Storm Drain
- ◻ Electrical Vault
- ◻ Sewer
- ◻ Pac Bell
- ◻ UOI Underground Oil Interceptor
- (ND) No Detection
- (940) Concentration Of Benzene In Groundwater Measured In ug/L
- Line Of Equal Concentration Of Benzene In Groundwater Measured In ug/L; Dashed Where Inferred

FIGURE 6

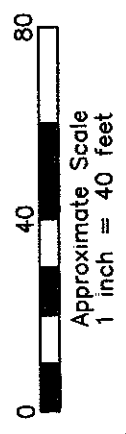
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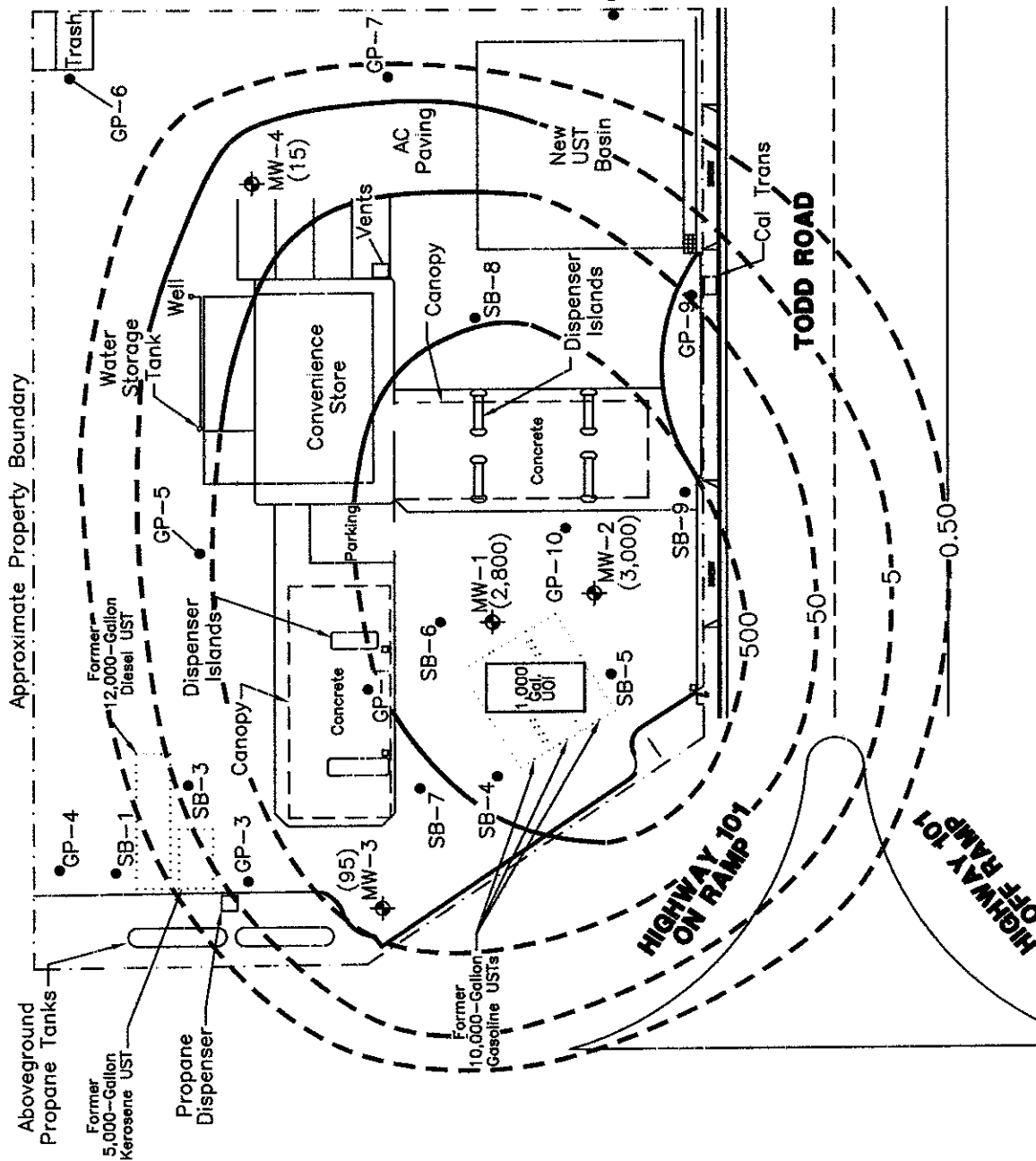
BENZENE IN GROUNDWATER ISOCONCENTRATION

MAP, SEPTEMBER 13, 2005

Rotten Robbie Service Station No. 60
55 Todd Road
Santa Rosa, California

DRAWN BY:	J. Curry
DATE:	10/30/05
REVISIONS	





MTBE IN GROUNDWATER ISOCONCENTRATION

MAP, SEPTEMBER 13, 2005

Rotten Robbie Service Station No. 60
55 Todd Road
Santa Rosa, California

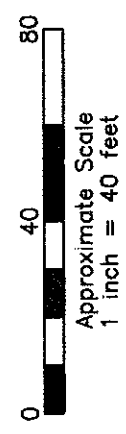
FIGURE 7

PROJECT NUMBER:
RMA01.001

APEX
ENVIROTECH, INC.

DRAWN BY: J. Curry
DATE: 10/30/05

REVISIONS	



TABLES

TABLE 1
WELL CONSTRUCTION DETAILS

Rotten Robbies
55 Todd Road
Santa Rosa, California

Well Number	Well Installation Date	*Elevation TOC (feet)	Casing Material	Total Depth (feet)	Well Depth (feet)	Casing Diameter (inches)	Screened Interval (feet)	Filter Pack Interval (feet)
MW-1	7/9/2004	104.67	PVC	23	23	6	3-23	2-23
MW-2	7/8/2004	104.15	PVC	23	23	4	3-23	2-23
MW-3	7/8/2004	104.87	PVC	23	23	4	3-23	2-23
MW-4	7/8/2004	105.94	PVC	23	23	2	3-23	2-23

Notes:

* = Surveyed by Apex Envirotech Inc to mean sea level

TOC = Top of Casing

PVC = Polyvinyl Chloride

TABLE 2
GROUNDWATER ELVATION DATA

Rotten Robbies
55 Todd Road
Santa Rosa, California

Monitoring Well	Date	Reference Elevation (top of casing)	Depth to Groundwater	Groundwater Elevation
MW-1	10/20/04	104.67	11.89	92.78
	02/09/05		6.32	98.35
	05/12/05		4.94	99.73
	09/13/05		9.99	94.68
MW-2	10/20/04	104.15	10.99	93.16
	02/09/05		5.85	98.30
	05/12/05		4.49	99.66
	09/13/05		9.45	94.70
MW-3	10/20/04	104.87	12.95	91.92
	02/09/05		6.87	98.00
	05/12/05		5.29	99.58
	09/13/05		11.02	93.85
MW-4	10/20/04	105.94	10.86	95.08
	02/09/05		6.83	99.11
	05/12/05		6.09	99.85
	09/13/05		9.48	96.46

TABLE 3
GROUNDWATER ANALYTICAL DATA
Rotten Robbins
55 Todd Road
Santa Rosa, California

Sample ID	Date Collected	TPH as		Aromatic Volatile Organics				Seven Oxygenates							Lead Scavengers	
		Gasoline (ug/L)	Diesel (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethyl- benzene (ug/L)	Total Xylenes (ug/L)	DIPE (ug/L)	ETBE (ug/L)	MTBE (ug/L)	TAME (ug/L)	TBA (ug/L)	Methanol (mg/L)	Ethanol (mg/L)	1,2-DCA (ug/L)	EDB (ug/L)
MW-1	07/29/04	13,000	11,000	280	860	470	2,700	<40	<40	1,300	<40	<400	<2.0	<2.0	<40	<40
	10/20/04	3,200	19,000	150	340	190	760	<0.50	<0.50	8,100	180	3,400	5.6	3.8	2.0	---
	02/09/05	24,000	3,400	1,300	2,100	1,200	4,500	<250	<250	14,000	<250	<2,500	<2.0	<2.0	<250	<250
	05/12/05	15,000	6,000	1,100	440	980	1,500	<50	<50	11,000	130	2,800	4.4	<2.0	<50	<50
	09/13/05	21,000	6,900	940	1,300	1,300	3,800	<100	<100	2,800	<100	<1,000	<2.0	<2.0	<100	<100
MW-2	07/29/04	4,600	2,600	160	12	56	290	<80	<80	13,000	85	4,300	<2.0	<2.0	<80	<80
	10/20/04	2,100	1,200	220	20	57	86	<0.50	1.0	9,900	120	16,000	<2.0	<2.0	3.3	---
	02/09/05	6,100	280	77	89	77	240	<50	<50	16,000	180	20,000	<2.0	<2.0	<50	<50
	05/12/05	2,200	350	100	23	46	87	<50	<50	30,000	560	37,000	<2.0	<2.0	<50	<50
	09/13/05	550	<50	46	6.5	17	17	<250	<250	3,000	<250	8,700	<2.0	<2.0	<250	<250
MW-3	07/29/04	<50	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	120	<0.50	240	<2.0	<2.0	<0.50	<0.50
	10/20/04	<50	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	110	1.5	2,200	<2.0	<2.0	<0.50	---
	02/09/05	<50	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	160	0.54	310	<2.0	<2.0	<0.50	<0.50
	05/12/05	<50	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	61	<0.50	290	<2.0	<2.0	<0.50	<0.50
	09/13/05	<50	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	95	<0.50	140	<2.0	<2.0	<0.50	<0.50
MW-4	07/29/04	<50	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	7.0	<0.50	<5.0	<2.0	<2.0	<0.50	<0.50
	10/20/04	<50	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	14	1.1	110	<2.0	<2.0	<0.50	---
	02/09/05	<50	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	19	<0.50	<5.0	<2.0	<2.0	<0.50	<0.50
	05/12/05	<50	<50	<0.50	1.0	<0.50	<1.0	<0.50	<0.50	19	<0.50	15	<2.0	<2.0	<0.50	<0.50
	09/13/05	<50	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	15	<0.50	<5.0	<2.0	<2.0	<0.50	<0.50

Notes:

TPH - Total Petroleum Hydrocarbons
MTBE - Methyl Tertiary Butyl Ether
DIPE - Di-isopropyl ether
ETBE - Ethyl Tertiary Butyl Ether
EDB - Ethylene dibromide
TAME - Tertiary Amyl Methyl Ether
TBA - Tertiary Butyl Alcohol

1,2-DCA - 1,2-Dichloroethane
mg/L - milligrams per liter
ug/L - micrograms per liter
< - Below Laboratory Detection Limit
--- - not sampled

APPENDIX A

APEX STANDARD OPERATING PROCEDURES

APEX ENVIROTECH, INC.
STANDARD OPERATING PROCEDURES
Quarterly Monitoring Reports

SOP – 4
SAMPLE IDENTIFICATION AND CHAIN-OF
CUSTODY PROCUDURES

Sample identification and chain-of-custody procedures ensure sample integrity as well as document sample possession from the time of collection to ultimate disposal. Each sample container submitted for analysis is labeled to identify the job number, date, time of sample collection, a sample number unique to the sample, any in-field measurements made, other pertinent field observations also recorded on the field excavation or boring logs.

Chain-of-custody forms are used to record possession of the sample from time of collection to arrival at the laboratory. During shipment, the person with custody of the samples will relinquish them to the next person by signing the chain-of-custody form(s) and noting the date and time. The sample control officer at the laboratory will verify sample integrity, correct preservation, confirm collection in the proper container(s), and ensure adequate volume for analysis.

If these conditions are met, the samples will be assigned unique laboratory log numbers for identification throughout analysis and reporting. The log numbers will be recorded on the chain-of-custody forms and in the legally-required log book maintained in the laboratory. The sample description, date received, client's name, and any other relevant information will also be recorded.

SOP – 5
LABORATORY ANALYTICAL QUALITY
ASSURANCE AND CONTROL

In addition to routine instrument calibration, replicates, spikes, blanks, spiked blanks, and certified reference materials are routinely analyzed at method-specific frequencies to monitor precision and bias. Additional components of the laboratory Quality Assurance/Quality Control program include:

- 1 Participation in state and federal laboratory accreditation/certification programs;
- 2 Participation in both U.S. EPA Performance Evaluation studies (WS and WP studies) and inter-laboratory performance evaluation programs;
- 3 Standard operating procedures describing routine and periodic instrument maintenance;
- 4 "out-of-Control"/Corrective Action documentation procedures; and,
- 5 Multi-level review of raw data and client reports

SOP – 7
GROUNDWATER PURGING AND SAMPLING

Prior to water sampling, each well is purged by evacuating a minimum of three wetted well-casing volumes of groundwater. When required, purging will continue until either the discharge water temperature, conductivity, or pH stabilize a maximum of ten wetted-casing volumes of groundwater have been recovered or the well is bailed dry.

When practical, the groundwater sample should be collected when the water level in the well recovers to at least 80 percent of its static level.

The sampling equipment consists of either a "Teflon" bailer, PVC bailer, or stainless steel bladder pump with a "Teflon" bladder. If the sampling system is dedicated to the well, then the bailer is usually "Teflon," but the bladder pump is PVC with a polypropylene bladder. In general and depending on the intended laboratory analysis, 40-milliliter glass, volatile organic analysis (VOA) vials, with "Teflon" septa, are used as sample containers.

SOP – 12
MEASURING LIQUID LEVELS USING
WATER LEVEL METER OR INTERFACE
PROBE

Field equipment used for liquid-level gauging typically includes the measuring instrument (water-level meter or interface probe and product bailer(s)). The field kit also includes cleaning supplies (buckets, solution, spray bottles, and deionized water) to be used in cleaning the equipment between wells.

Prior to measurements, the instrument tip is lowered into the well until it touches bottom. Using the previously established top-of-casing or top-of-box (i.e., wellhead vault) point, the probe cord (or halyard) is marked and a measuring tape (graduated in hundredths of a foot) is used to determine the distance between the probe end and the marking on the cord. This measurement is then recorded on the liquid-level data sheet as the "Measured Total Depth" of the well.

When necessary in using the interface probe to measure liquid levels, the probe is first electrically grounded to either the metal stove pipe or another metal object nearby. When no ground is available, reproducible measurements can be obtained by clipping the ground lead to the handle of the interface probe case.

The probe tip is then lowered into the well and submerged in the groundwater. An oscillating (beeping) tone indicates the probe is in water. The probe is slowly raised until either the oscillating tone ceases or becomes a steady tone. In either case, this is the depth-to-water (DTW) indication of the DTW measurement is made accordingly. The steady tone indicates floating liquid hydrocarbons (FLH). In this case, the depth-to-product (DTP) indication and the DTP measurement is made accordingly.

The process of lowering and raising the probe must be repeated several times to ensure accurate measurements. The DTW and DTP measurements are recorded on the liquid-level data sheet. When FLH are indicated by the probe's response, a product bailer is lowered partially through the FLH water interface to confirm the FLH thickness, particularly in cases where the FLH layer is quite thin. This measurement is recorded on the data sheet as "FLH thickness."

In order to avoid cross-contamination of wells during the liquid-level measurement process, wells are measured in the order of "clean" to "dirty" (where such information is available). In addition, all measurement equipment is cleaned with solution and thoroughly rinsed with deionized water before use, between measurements in respective wells, and at the completion of the day's use.

APPENDIX B

FIELD DATA SHEETS

(2" x 0.16) (4" x 0.65)



Monitoring Data

Project: Lotten Robbie Sta # 60
Project Number: RMA01-001
Date: 9/13/05
Recorded By: RCM

WELL	TIME	TEMP (deg C)	pH	COND. (uS/cm)	DISSOLVED OXYGEN	TOTAL VOLUME REMOVED	COMMENTS/OBSERVATIONS
MW-4	1135	20.3	7.0	920		2.25	
↓	1139	20.6	7.0	918		4.50	
↓	1143	20.3	7.0	909		6.75	
MW-3	1202	18.9	6.7	960		8	sampled @ 1500 11.5 gpm
↓	1208	19.1	6.7	970		16	
↓	1213	19.0	6.7	976		24	
MW-2	1303	21.4	6.4	1223		8	sampled @ 1510 11.5 gpm
↓	1309	21.7	6.5	1277		16	odor
↓	1315	21.7	6.5	1266		25	
MW-1	1351	21.2	6.4	1394		20	sampled @ 1520 11.5 gpm
↓	1405	21.3	6.4	863		40	odor
↓	1418	20.8	6.4	1430		60	sampled @ 1530

TEMPPH.XLS

4/1/97

APPENDIX C

LABORATORY ANALYTICAL REPORT AND CHAIN-OF-CUSTODY FORM

[illegible]

CALIFORNIA LABORATORY SERVICES

3249 Fitzgerald Road Rancho Cordova, CA 95742

September 22, 2005

CLS Work Order #: COI0609
COC #: No Number

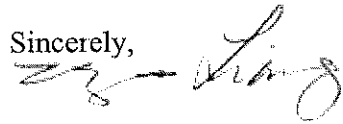
Rebekah Westrup
APEX Envirotech Inc. - Gold River
11244 Pyrites Way
Gold River, CA 95670

Project Name: Rotten Robbie Service Station #60

Enclosed are the results of analyses for samples received by the laboratory on 09/19/05 10:00. Samples were analyzed pursuant to client request utilizing EPA or other ELAP approved methodologies. I certify that the results are in compliance both technically and for completeness.

Analytical results are attached to this letter. Please call if we can provide additional assistance.

Sincerely,



James Liang, Ph.D.
Laboratory Director

CA DOHS ELAP Accreditation/Registration number 1233

CALIFORNIA LABORATORY SERVICES

09/22/05 14:33

APEX Envirotech Inc - Gold River
11244 Pyrites Way
Gold River, CA 95670

Project: Rotten Robbie Service Station #60
Project Number: RMA01 001-QM
Project Manager: Rebekah Westrup
CLS Work Order #: COI0609

Extractable Petroleum Hydrocarbons by EPA Method 8015M

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-1 (COI0609-01) Water Sampled: 09/13/05 15:30 Received: 09/19/05 10:00									
Diesel	6.9	0.10	mg/L	2	CO07154	09/20/05	09/20/05	EPA 8015M	DSL-1
MW-2 (COI0609-02) Water Sampled: 09/13/05 15:20 Received: 09/19/05 10:00									
Diesel	ND	0.050	mg/L	1	CO07154	09/20/05	09/20/05	EPA 8015M	
MW-3 (COI0609-03) Water Sampled: 09/13/05 15:10 Received: 09/19/05 10:00									
Diesel	ND	0.050	mg/L	1	CO07154	09/20/05	09/20/05	EPA 8015M	
MW-4 (COI0609-04) Water Sampled: 09/13/05 15:00 Received: 09/19/05 10:00									
Diesel	ND	0.050	mg/L	1	CO07154	09/20/05	09/20/05	EPA 8015M	

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CALIFORNIA LABORATORY SERVICES

09/22/05 14:33

APEX Envirotech Inc - Gold River
11244 Pyrites Way
Gold River, CA 95670

Project: Rotten Robbie Service Station #60
Project Number: RMA01 001-QM
Project Manager: Rebekah Westrup
CLS Work Order #: COI0609

Gas/BTEX by GC PID/FID

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-1 (COI0609-01) Water Sampled: 09/13/05 15:30 Received: 09/19/05 10:00									
Gasoline	21000	2500	µg/L	50	CO07155	09/20/05	09/20/05	8015M/8021B	GC-25
Benzene	940	25	"	"	"	"	"	"	
Toluene	1300	25	"	"	"	"	"	"	
Ethylbenzene	1300	25	"	"	"	"	"	"	
Xylenes (total)	3800	50	"	"	"	"	"	"	
Surrogate o-Chlorotoluene (Gas)		92.0 %	65-135		"	"	"	"	
MW-2 (COI0609-02) Water Sampled: 09/13/05 15:20 Received: 09/19/05 10:00									
Gasoline	550	250	µg/L	5	CO07155	09/20/05	09/20/05	8015M/8021B	GC-25
Benzene	46	2.5	"	"	"	"	"	"	
Toluene	6.5	2.5	"	"	"	"	"	"	
Ethylbenzene	17	2.5	"	"	"	"	"	"	
Xylenes (total)	17	5.0	"	"	"	"	"	"	
Surrogate o-Chlorotoluene (Gas)		95.0 %	65-135		"	"	"	"	
MW-3 (COI0609-03) Water Sampled: 09/13/05 15:10 Received: 09/19/05 10:00									
Gasoline	ND	50	µg/L	1	CO07155	09/20/05	09/20/05	8015M/8021B	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	
Surrogate o-Chlorotoluene (Gas)		94.5 %	65-135		"	"	"	"	
MW-4 (COI0609-04) Water Sampled: 09/13/05 15:00 Received: 09/19/05 10:00									
Gasoline	ND	50	µg/L	1	CO07155	09/20/05	09/20/05	8015M/8021B	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	
Surrogate o-Chlorotoluene (Gas)		94.0 %	65-135		"	"	"	"	

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CALIFORNIA LABORATORY SERVICES

09/22/05 14:33

APEX Envirotech Inc. - Gold River
11244 Pyrites Way
Gold River, CA 95670

Project: Rotten Robbie Service Station #60
Project Number: RMA01 001-QM
Project Manager: Rebekah Westrup
CLS Work Order #: COI0609

Non-halogenated Organic Compounds by EPA 8015

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-1 (COI0609-01) Water Sampled: 09/13/05 15:30 Received: 09/19/05 10:00									
Ethanol	ND	2.0	mg/L	1	CO07092	09/19/05	09/19/05	EPA 8015B	
Methanol	ND	2.0	"	"	"	"	"	"	
MW-2 (COI0609-02) Water Sampled: 09/13/05 15:20 Received: 09/19/05 10:00									
Ethanol	ND	2.0	mg/L	1	CO07092	09/19/05	09/19/05	EPA 8015B	
Methanol	ND	2.0	"	"	"	"	"	"	
MW-3 (COI0609-03) Water Sampled: 09/13/05 15:10 Received: 09/19/05 10:00									
Ethanol	ND	2.0	mg/L	1	CO07092	09/19/05	09/19/05	EPA 8015B	
Methanol	ND	2.0	"	"	"	"	"	"	
MW-4 (COI0609-04) Water Sampled: 09/13/05 15:00 Received: 09/19/05 10:00									
Ethanol	ND	2.0	mg/L	1	CO07092	09/19/05	09/19/05	EPA 8015B	
Methanol	ND	2.0	"	"	"	"	"	"	

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CALIFORNIA LABORATORY SERVICES

09/22/05 14:33

APEX Envirotech Inc - Gold River
11244 Pyrites Way
Gold River, CA 95670

Project: Rotten Robbie Service Station #60
Project Number: RMA01.001-QM
Project Manager: Rebekah Westrup
CLS Work Order #: COI0609

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-1 (COI0609-01) Water Sampled: 09/13/05 15:30 Received: 09/19/05 10:00									
Di-isopropyl ether	ND	100	µg/L	200	CO07086	09/19/05	09/19/05	EPA 8260B	
Ethyl tert-butyl ether	ND	100	"	"	"	"	"	"	
Methyl tert-butyl ether	2800	100	"	"	"	"	"	"	
tert-Amyl methyl ether	ND	100	"	"	"	"	"	"	
Tert-butyl alcohol	ND	1000	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	100	"	"	"	"	"	"	
1,2-Dichloroethane	ND	100	"	"	"	"	"	"	
<i>Surrogate Toluene-d8</i>		75.4 %	72-125		"	"	"	"	
MW-2 (COI0609-02) Water Sampled: 09/13/05 15:20 Received: 09/19/05 10:00									
Di-isopropyl ether	ND	250	µg/L	500	CO07086	09/19/05	09/19/05	EPA 8260B	
Ethyl tert-butyl ether	ND	250	"	"	"	"	"	"	
Methyl tert-butyl ether	3000	250	"	"	"	"	"	"	
tert-Amyl methyl ether	ND	250	"	"	"	"	"	"	
Tert-butyl alcohol	8700	2500	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	250	"	"	"	"	"	"	
1,2-Dichloroethane	ND	250	"	"	"	"	"	"	
<i>Surrogate Toluene-d8</i>		77.3 %	72-125		"	"	"	"	
MW-3 (COI0609-03) Water Sampled: 09/13/05 15:10 Received: 09/19/05 10:00									
Di-isopropyl ether	ND	0.50	µg/L	1	CO07086	09/19/05	09/19/05	EPA 8260B	
Ethyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	95	0.50	"	"	"	"	"	"	
tert-Amyl methyl ether	ND	0.50	"	"	"	"	"	"	
Tert-butyl alcohol	140	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.50	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
<i>Surrogate Toluene-d8</i>		77.8 %	72-125		"	"	"	"	

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CALIFORNIA LABORATORY SERVICES

09/22/05 14:33

APEX Envirotech Inc. - Gold River
11244 Pyrites Way
Gold River, CA 95670

Project: Rotten Robbie Service Station #60
Project Number: RMA01 001-QM
Project Manager: Rebekah Westrup

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-4 (COI0609-04) Water Sampled: 09/13/05 15:00 Received: 09/19/05 10:00									
Di-isopropyl ether	ND	0.50	µg/L	1	CO07086	09/19/05	09/19/05	EPA 8260B	
Ethyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	15	0.50	"	"	"	"	"	"	
tert-Amyl methyl ether	ND	0.50	"	"	"	"	"	"	
Tert-butyl alcohol	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.50	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	

Surrogate Toluene-d8	77.4 %	72-125	"	"	"	"
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CALIFORNIA LABORATORY SERVICES

09/22/05 14:33

APEX Envirotech Inc - Gold River
11244 Pyrites Way
Gold River, CA 95670

Project: Rotten Robbie Service Station #60
Project Number: RMA01 001-QM
Project Manager: Rebekah Westrup
CLS Work Order #: COI0609

Extractable Petroleum Hydrocarbons by EPA Method 8015M - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch CO07154 - EPA 3510B GCNV										
Blank (CO07154-BLK1)				Prepared & Analyzed: 09/20/05						
Diesel	ND	0.050	mg/L							
Motor Oil	ND	0.050	"							
LCS (CO07154-BS1)				Prepared & Analyzed: 09/20/05						
Diesel	2.80	0.050	mg/L	2.50		112	65-135			
LCS Dup (CO07154-BSD1)				Prepared & Analyzed: 09/20/05						
Diesel	2.77	0.050	mg/L	2.50		111	65-135	1.08	30	
Matrix Spike (CO07154-MS1)				Source: COI0615-01		Prepared & Analyzed: 09/20/05				
Diesel	2.55	0.050	mg/L	2.50	ND	102	46-137			
Matrix Spike Dup (CO07154-MSD1)				Source: COI0615-01		Prepared & Analyzed: 09/20/05				
Diesel	2.55	0.050	mg/L	2.50	ND	102	46-137	0.00	30	

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CALIFORNIA LABORATORY SERVICES

09/22/05 14:33

APEX Envirotech Inc - Gold River
11244 Pyrites Way
Gold River, CA 95670

Project: Rotten Robbie Service Station #60
Project Number: RMA01.001-QM
Project Manager: Rebekah Westrup
CLS Work Order #: COI0609

Gas/BTEX by GC PID/FID - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch CO07155 - EPA 5030 Water GC										
Blank (CO07155-BLK1)				Prepared & Analyzed: 09/20/05						
Gasoline	ND	50	µg/L							
Benzene	ND	0.50	"							
Toluene	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
Xylenes (total)	ND	1.0	"							
Surrogate o-Chlorotoluene (BTEX)	20.8		"	20.0		104	65-135			
Surrogate o-Chlorotoluene (Gas)	19.4		"	20.0		97.0	65-135			
LCS (CO07155-BS1)				Prepared & Analyzed: 09/20/05						
Gasoline	431	50	µg/L	500		86.2	65-135			
Surrogate o-Chlorotoluene (Gas)	18.8		"	20.0		94.0	65-135			
LCS Dup (CO07155-BSD1)				Prepared & Analyzed: 09/20/05						
Gasoline	457	50	µg/L	500		91.4	65-135	5.86	30	
Surrogate o-Chlorotoluene (Gas)	20.9		"	20.0		104	65-135			
Matrix Spike (CO07155-MS1)				Source: COI0615-01		Prepared & Analyzed: 09/20/05				
Gasoline	457	50	µg/L	500	ND	91.4	65-135			
Surrogate o-Chlorotoluene (Gas)	20.3		"	20.0		102	65-135			
Matrix Spike Dup (CO07155-MSD1)				Source: COI0615-01		Prepared & Analyzed: 09/20/05				
Gasoline	380	50	µg/L	500	ND	76.0	65-135	18.4	30	
Surrogate o-Chlorotoluene (Gas)	20.2		"	20.0		101	65-135			

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CALIFORNIA LABORATORY SERVICES

09/22/05 14:33

APEX Envirotech Inc - Gold River
11244 Pyrites Way
Gold River, CA 95670

Project: Rotten Robbie Service Station #60
Project Number: RMA01 001-QM
Project Manager: Rebekah Westrup
CLS Work Order #: COI0609

Non-halogenated Organic Compounds by EPA 8015 - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch CO07092 - Direct Inj. GCNV										
Blank (CO07092-BLK1)				Prepared & Analyzed: 09/19/05						
Ethanol	ND	2.0	mg/L							
Methanol	ND	2.0	"							
LCS (CO07092-BS1)				Prepared & Analyzed: 09/19/05						
Methanol	43.6	2.0	mg/L	50.0		87.2	75-125			
LCS Dup (CO07092-BSD1)				Prepared & Analyzed: 09/19/05						
Methanol	50.5	2.0	mg/L	50.0		101	75-125	14.7	30	
Matrix Spike (CO07092-MS1)				Source: COI0559-01 Prepared & Analyzed: 09/19/05						
Methanol	45.8	2.0	mg/L	50.0	ND	91.6	75-125			
Matrix Spike Dup (CO07092-MSD1)				Source: COI0559-01 Prepared & Analyzed: 09/19/05						
Methanol	48.2	2.0	mg/L	50.0	ND	96.4	75-125	5.11	30	

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CALIFORNIA LABORATORY SERVICES

09/22/05 14:33

APEX Envirotech Inc - Gold River
11244 Pyrites Way
Gold River, CA 95670

Project: Rotten Robbie Service Station #60
Project Number: RMA01.001-QM
Project Manager: Rebekah Westrup
CLS Work Order #: COI0609

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch CO07086 - EPA 5030 Water MS

Blank (CO07086-BLK1)

Prepared & Analyzed: 09/19/05

Di-isopropyl ether	ND	0.50	µg/L							
Ethyl tert-butyl ether	ND	0.50	"							
Methyl tert-butyl ether	ND	0.50	"							
tert-Amyl methyl ether	ND	0.50	"							
Tert-butyl alcohol	ND	5.0	"							
Surrogate Toluene-d8	8.14		"	10.0		81.4	72-125			

LCS (CO07086-BS1)

Prepared & Analyzed: 09/19/05

Methyl tert-butyl ether	20.5	0.50	µg/L	20.0		102	52-130			
Surrogate Toluene-d8	9.21		"	10.0		92.1	72-125			

LCS Dup (CO07086-BSD1)

Prepared & Analyzed: 09/19/05

Methyl tert-butyl ether	19.9	0.50	µg/L	20.0		99.5	52-130	2.97	30	
Surrogate Toluene-d8	9.38		"	10.0		93.8	72-125			

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CALIFORNIA LABORATORY SERVICES

09/22/05 14:33

APEX Envirotech Inc - Gold River
11244 Pyrites Way
Gold River, CA 95670

Project: Rotten Robbie Service Station #60
Project Number: RMA01 001-QM
Project Manager: Rebekah Westrup
CLS Work Order #: COI0609

Notes and Definitions

GC-25 Weathered gasoline

DSL-1 Although sample contains compounds in the retention time range associated with diesel, the chromatogram was not consistent with the expected chromatographic pattern or "fingerprint" However, the reported concentration is based on diesel

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference